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Economic - Metallurgy

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Repr. 61-32; AD-254 400.
Order from OTS or SLA \$1.10 61-19633

Abstract trans. of Vestnik Mashinostroeniya (USSR)
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DESCRIPTORS: *Heat treatment, *Steel, USSR,
Plastic flow, *Deformation, Austenite, Rolling mills,
Forging, Extrusion, Aging, Cooling, Mechanical
properties, Processing, Alloys.

In the thermomechanical method the steel or alloy being
treated is plastically deformed by 25 to 35% after
homogenizing of the γ -solution at 1200°C and subse-
quent cooling to 1100-1000°C. Deformation is immedi-
(Metallurgy, TT, v. 6, no. 9) (over)

I. Lozinskii, M. G.
II. AID-61-32
III. Air Information Div.,
Washington, D. C.
IV. AD-254 400

Office of Technical Services

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SLA R-3258
UKSM GB 29

May 58

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May 59

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May 59

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Sp 53 CTS

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JPRS 9397

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Order from OTS or SLA \$1.10

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Trans. of Zhurnal Obshchei Khimii (USSR) 1937,
v. 7, p. 1119-1132.

DESCRIPTORS: Hydrocarbons, Mixtures, Physical
properties.

(Unannounced)

61-18135

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II. D'yakova, M. K.
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WE - Switzerland
Pol - Communism
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ACS;I, G-6205

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Geographic

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Apr 56 SPS

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18 refs.

Order from OTS or SLA \$1.10

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p. 1-10.

Another translation is available from ATS \$17.00 as
ATS-58M40R [1960] 12p.

DESCRIPTORS: Hydrogenation, *Hydrocarbons, Mono-
cyclic compounds.

The relative velocities of hydrogenation of benzene,
naphthalene, cyclohexene, 1-methyl-1-cyclohexene,
1-methyl-3-cyclohexene, cyclopentene, a-hexene and
styrene are reported, as well as data on the kinetic
order of hydrogenation of some of them. Benzene is
hydrogenated in the presence of nickel-alumina 150

(Chemistry--Organic, TT, v. 6, no. 7)

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DESCRIPTORS: *Acetylenes, *Zinc compounds,
Chlorides, *Polymerization, Heat treatment, Benzenes,
Reaction kinetics, Catalysts, Tests, Chemical analysis,
Pyrolysis.

(Chemistry--Physical, TT, v. 10, no. 1)

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DESCRIPTORS: *Hydrocarbons, Decomposition,
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*Phenanthrenes.

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Trans. of [Zhurnal] P[rikladnoi] M[ekhaniki i]
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DESCRIPTORS: *Metals, *Fracture (Mechanics), Plas-
ticity, Creep, Deformation, *Failure (Mechanics),
Temperature.

(Metallurgy, TT, v. 9, no. 3)

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